

FIG. 1

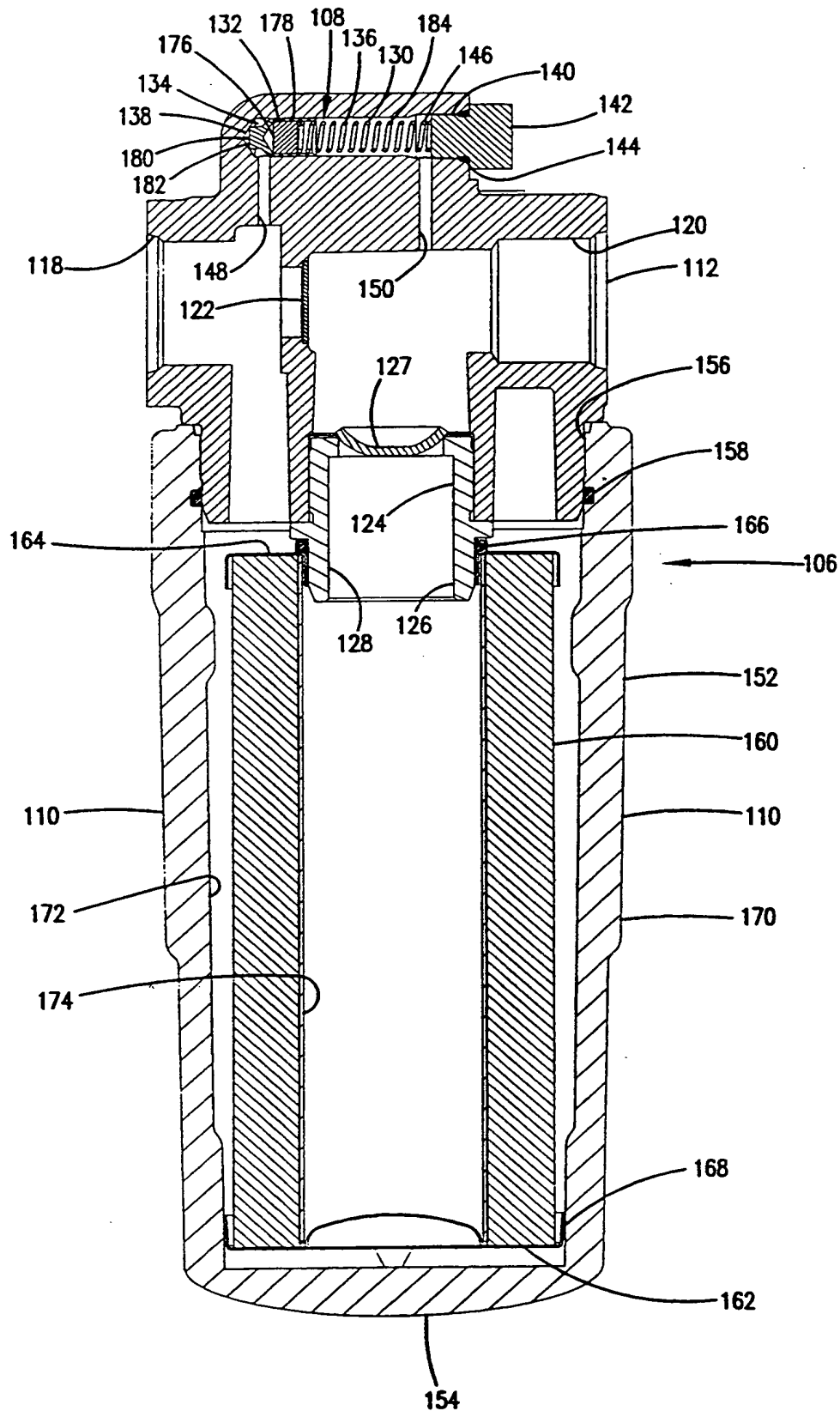
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This technical drawing is an exploded perspective view of a mechanical assembly. The main component is a large vertical cylinder (110) with a flange (114) at the top. A horizontal bracket (116) is mounted on the flange. A bolt (142) with a washer (144) and a spring (176) is shown passing through the bracket. A nut (184) is shown at the end of the spring. A small component (112) is shown being inserted into the bracket. A long rod (202) is shown passing through the bracket, with a nut (208) and a small component (220) at the end. A curved arrow (106) indicates a rotational movement of the assembly. Various other parts and features are labeled with numbers, including 1, 3, 4, 106, 110, 112, 114, 116, 118, 122, 132, 140, 142, 144, 152, 154, 176, 178, 180, 182, 184, 186, 190, 194, 196, 198, 200, 202, 206, 208, 216, and 220.

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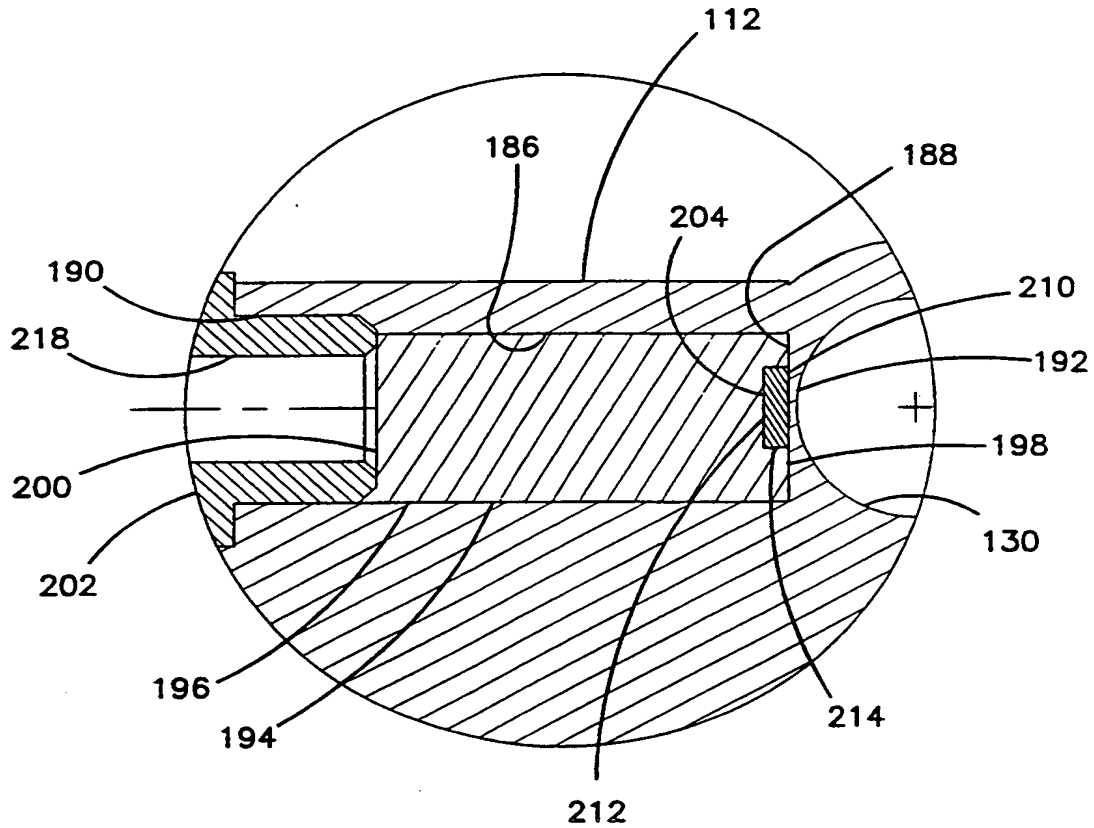
FIG. 3



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FIG. 4



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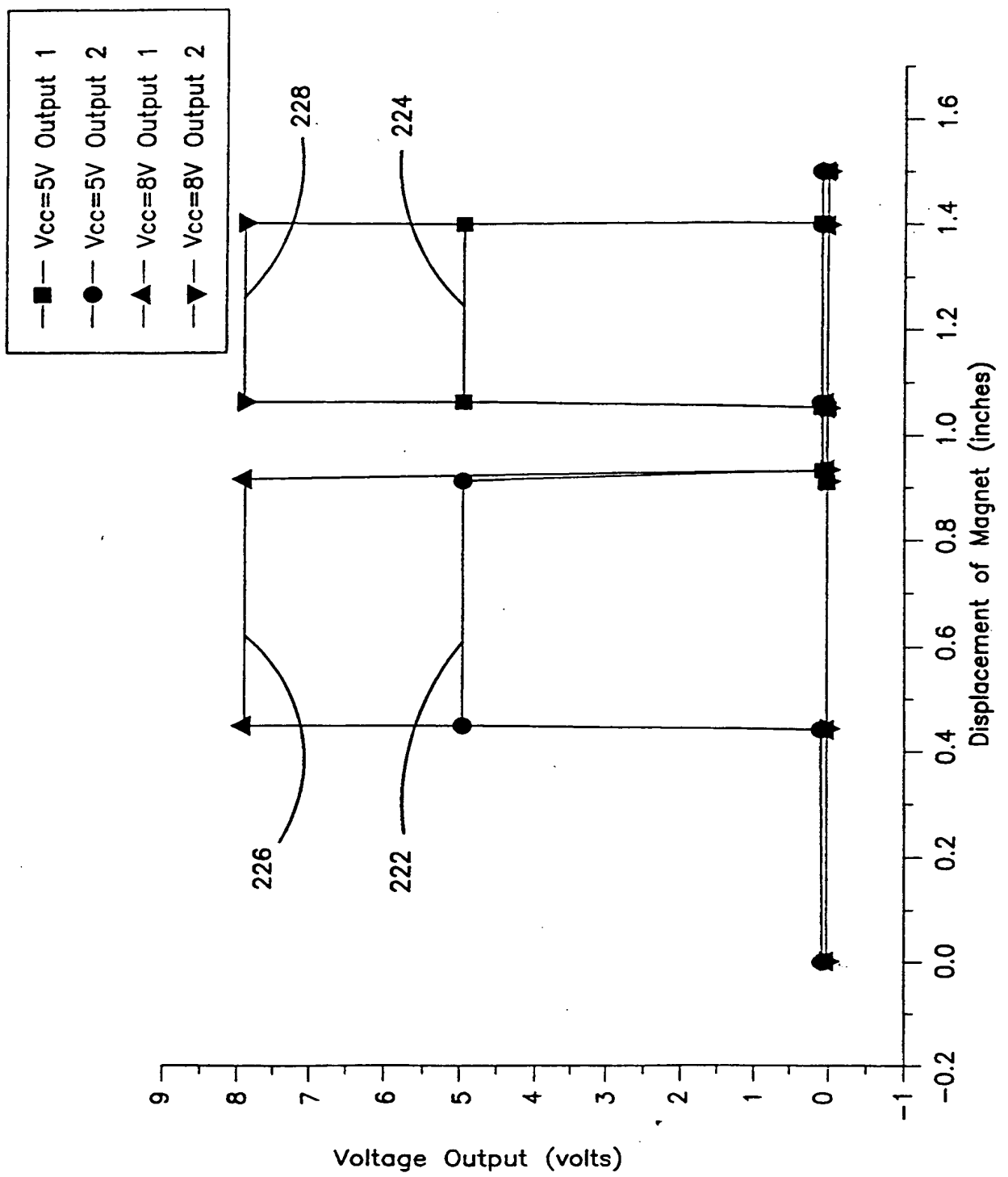


FIG. 5

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FIG. 10

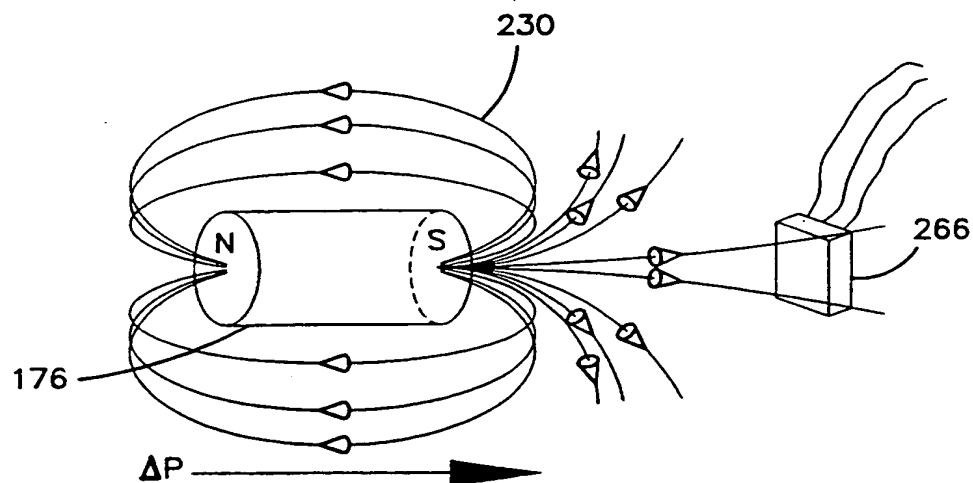


FIG. 6

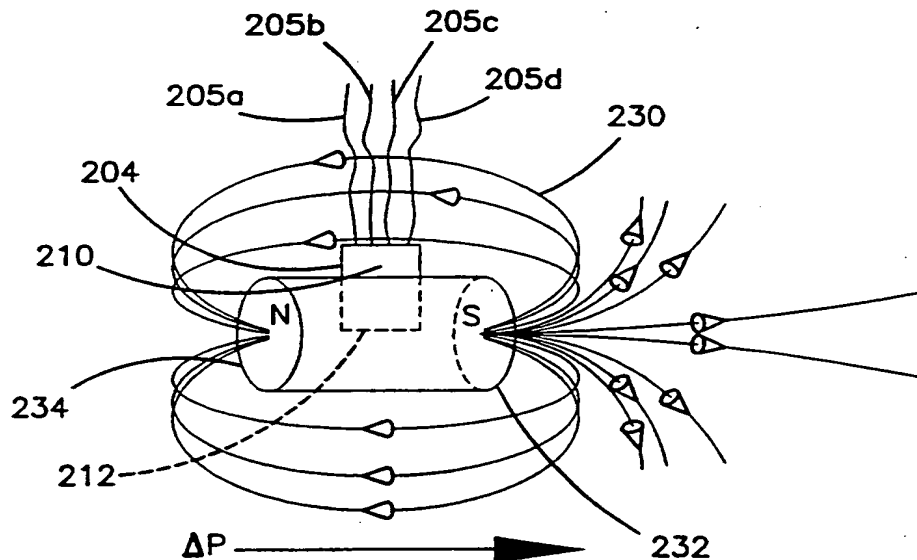
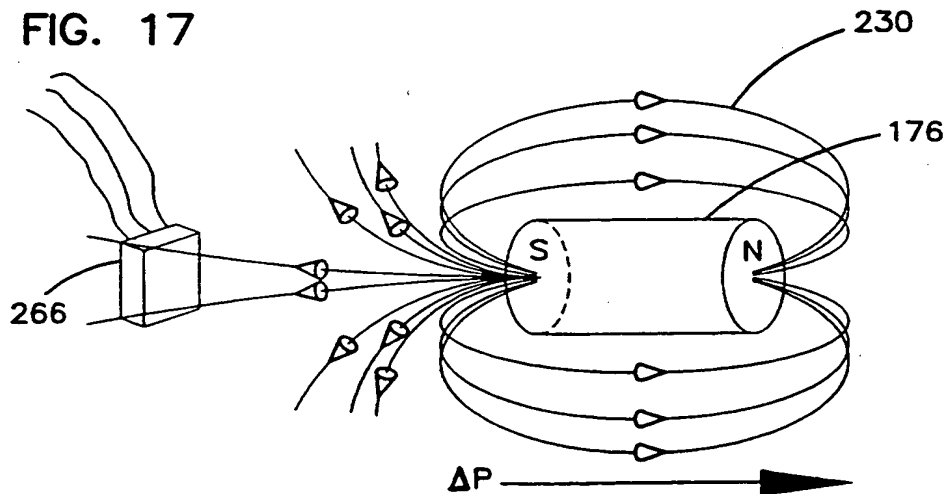
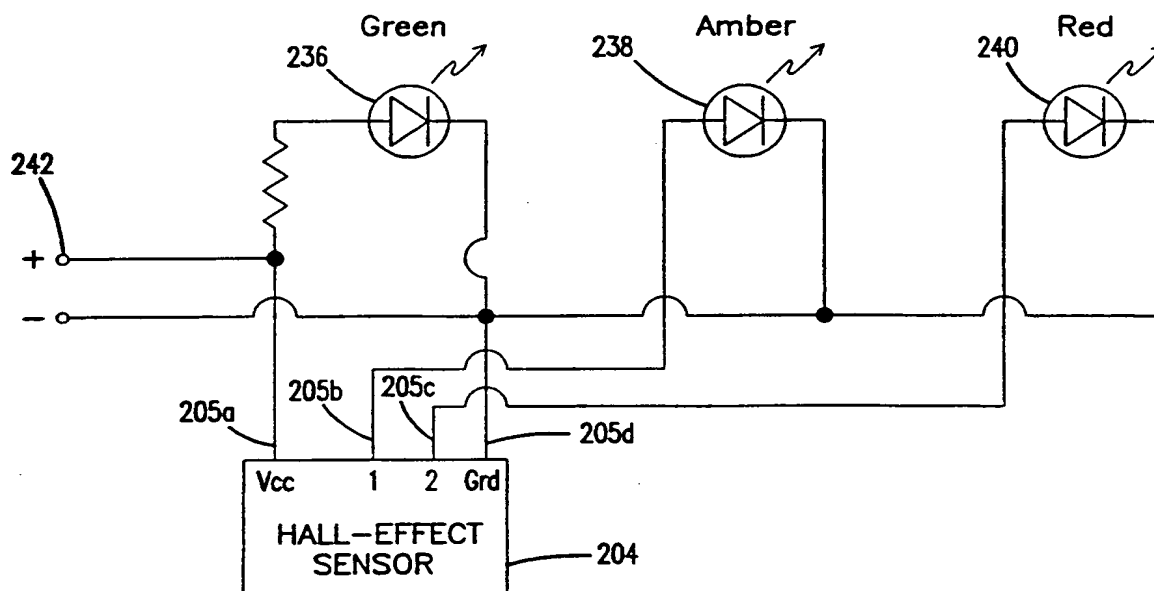


FIG. 17



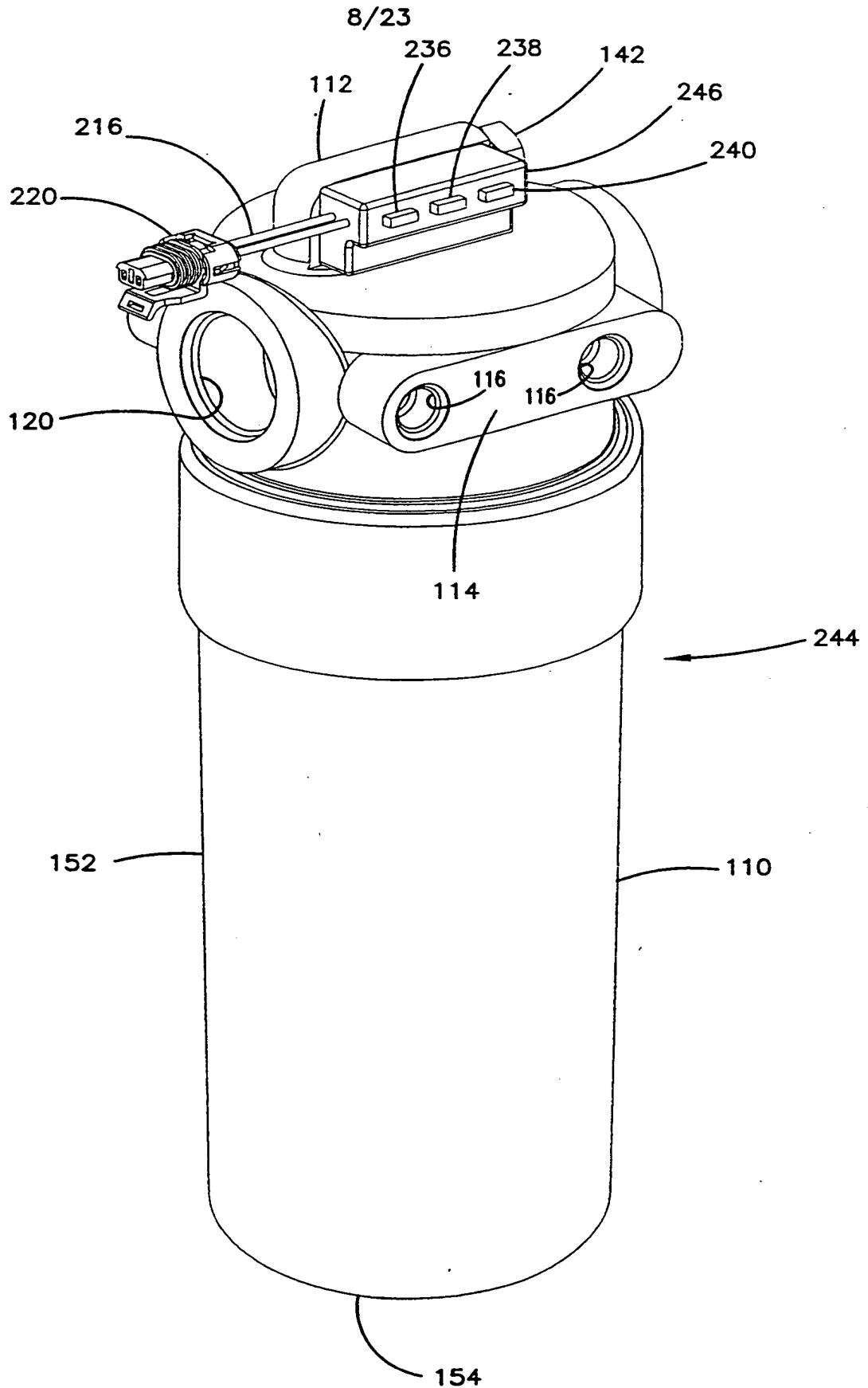
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FIG. 7



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FIG. 8



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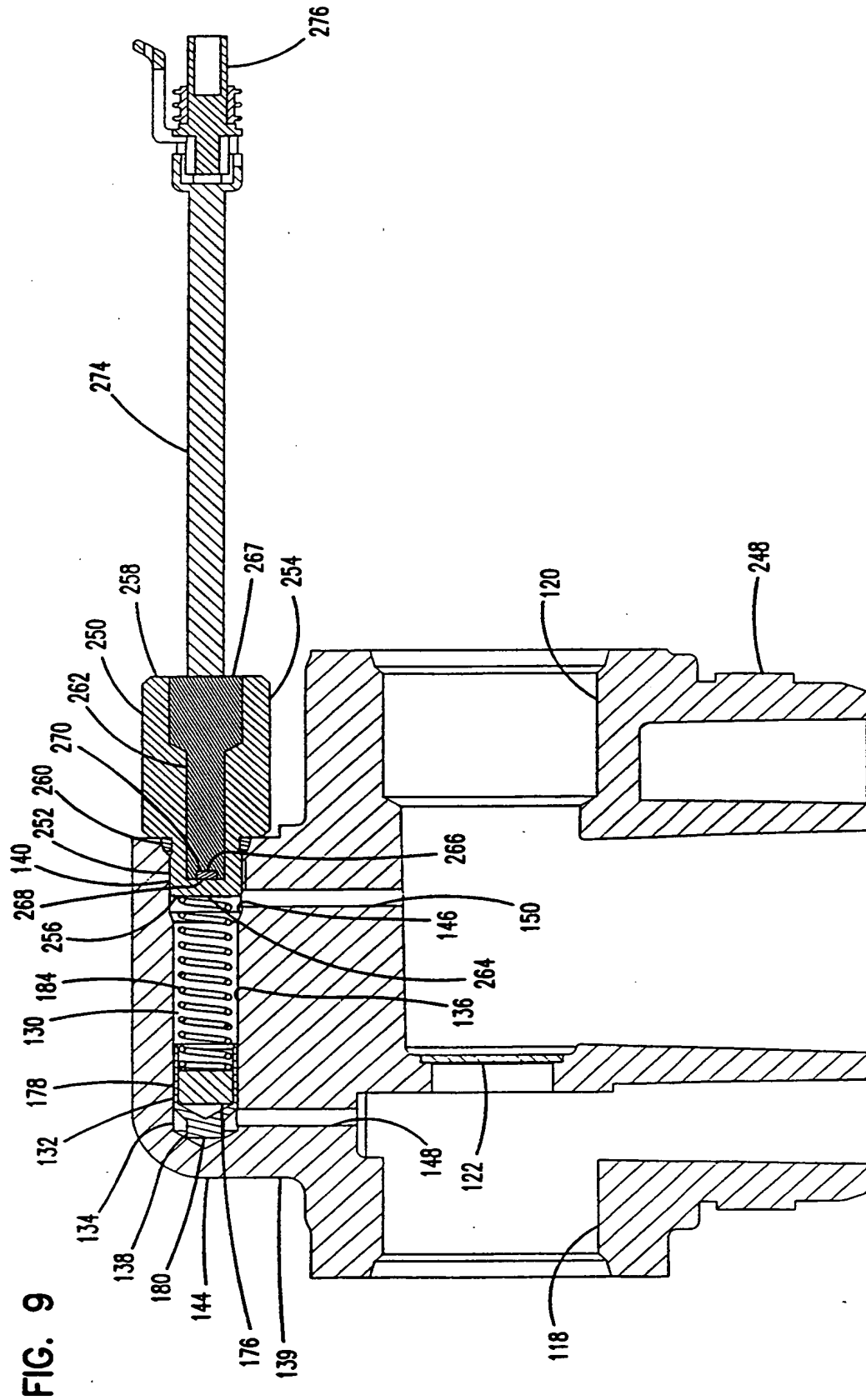


FIG. 9

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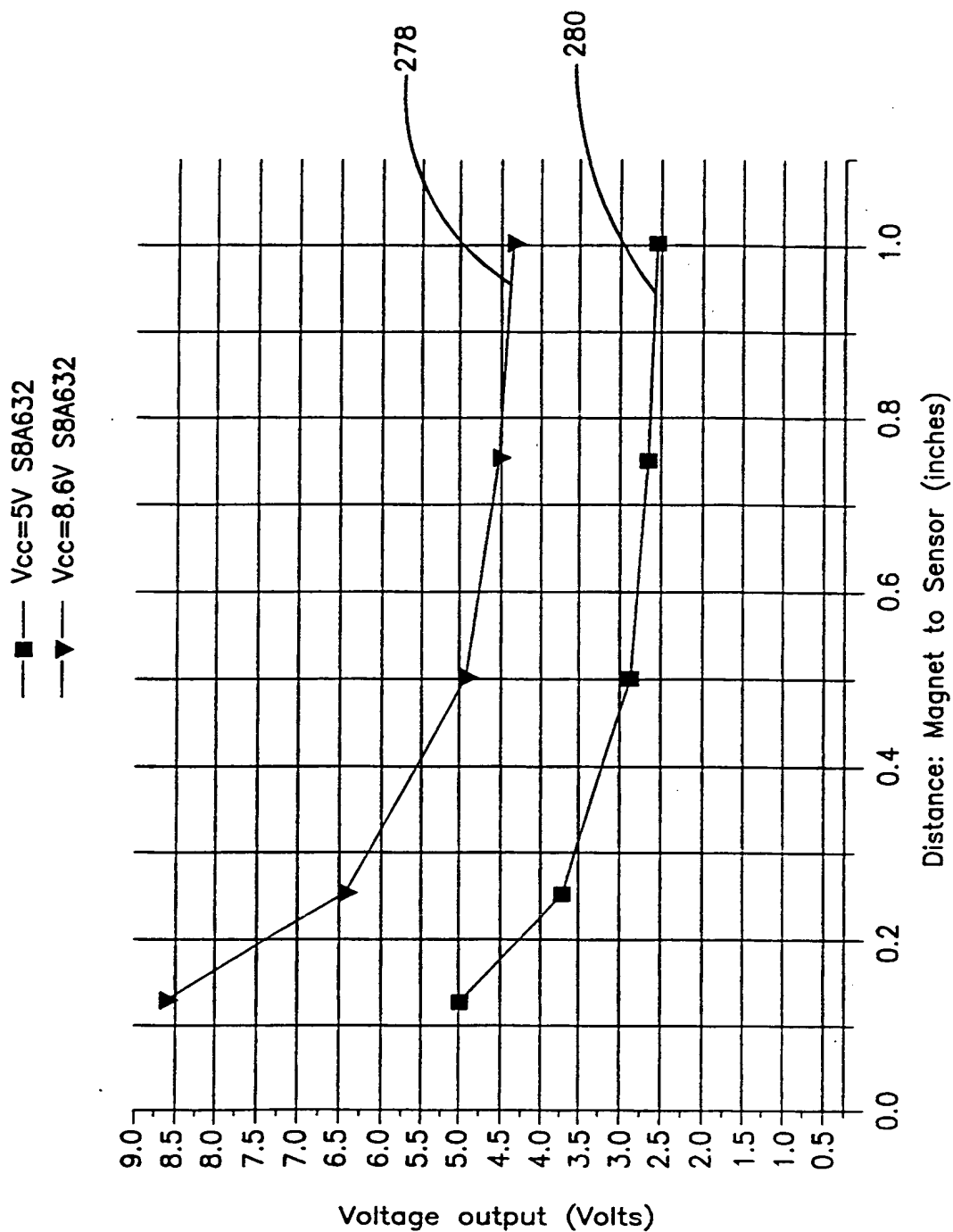


FIG. 11

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FIG. 13

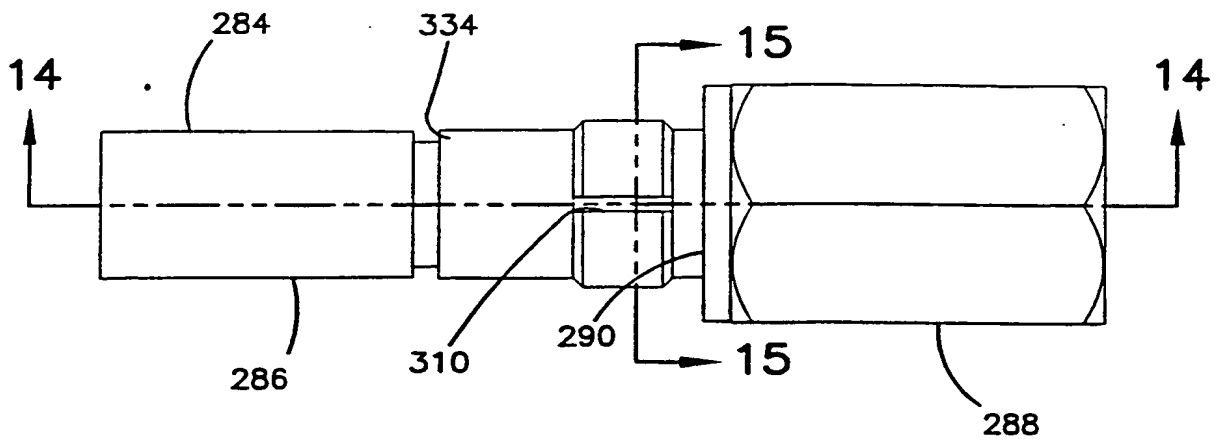


FIG. 14

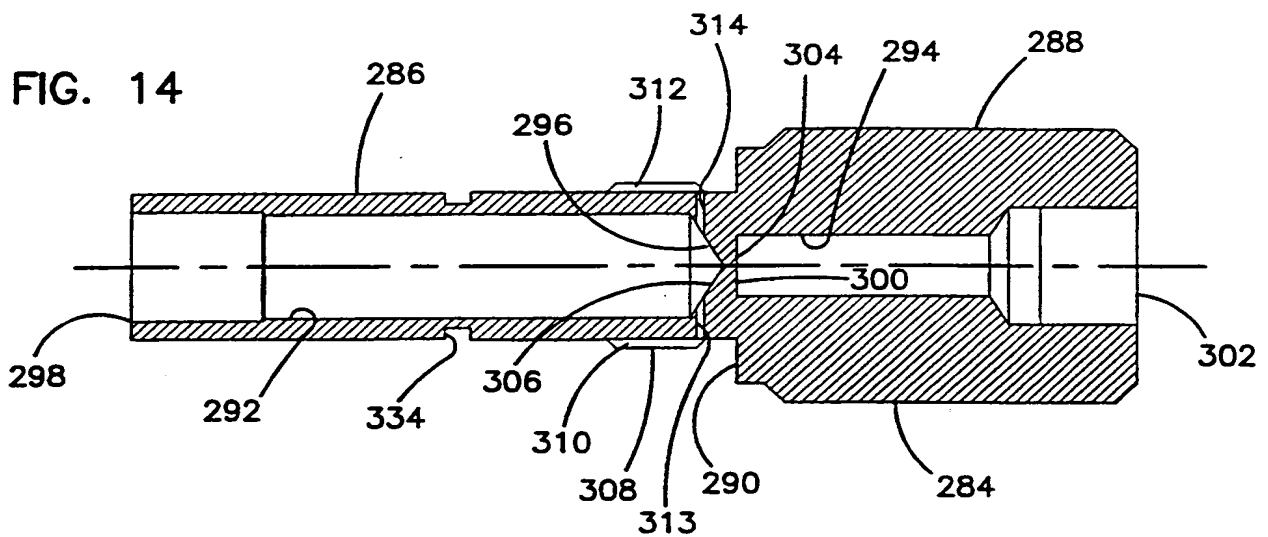
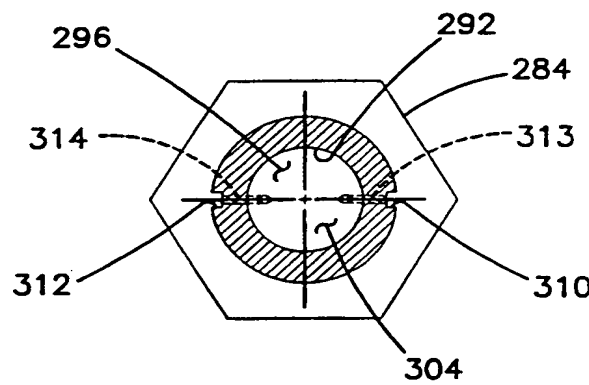


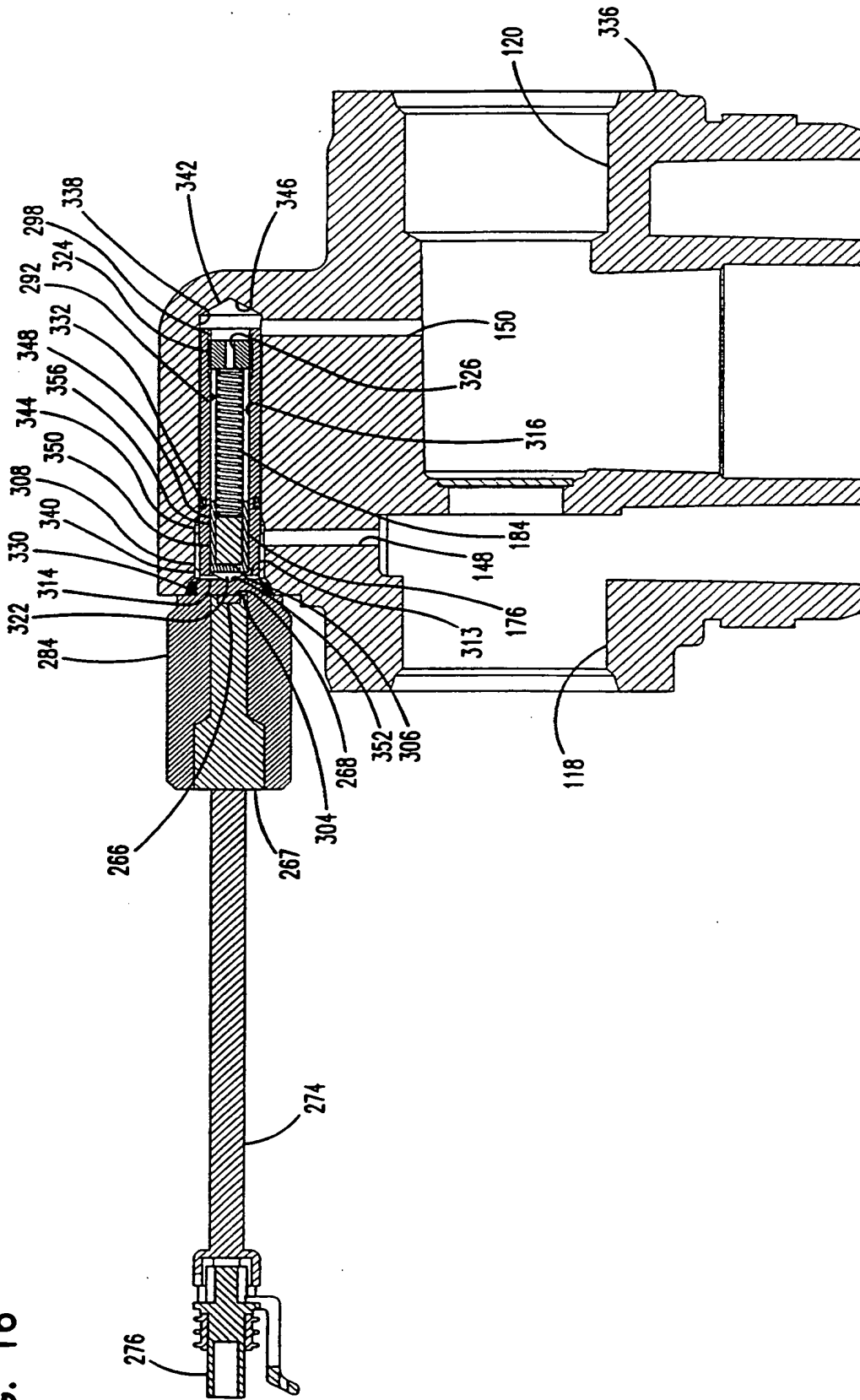
FIG. 15



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FIG. 16



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FIG. 18

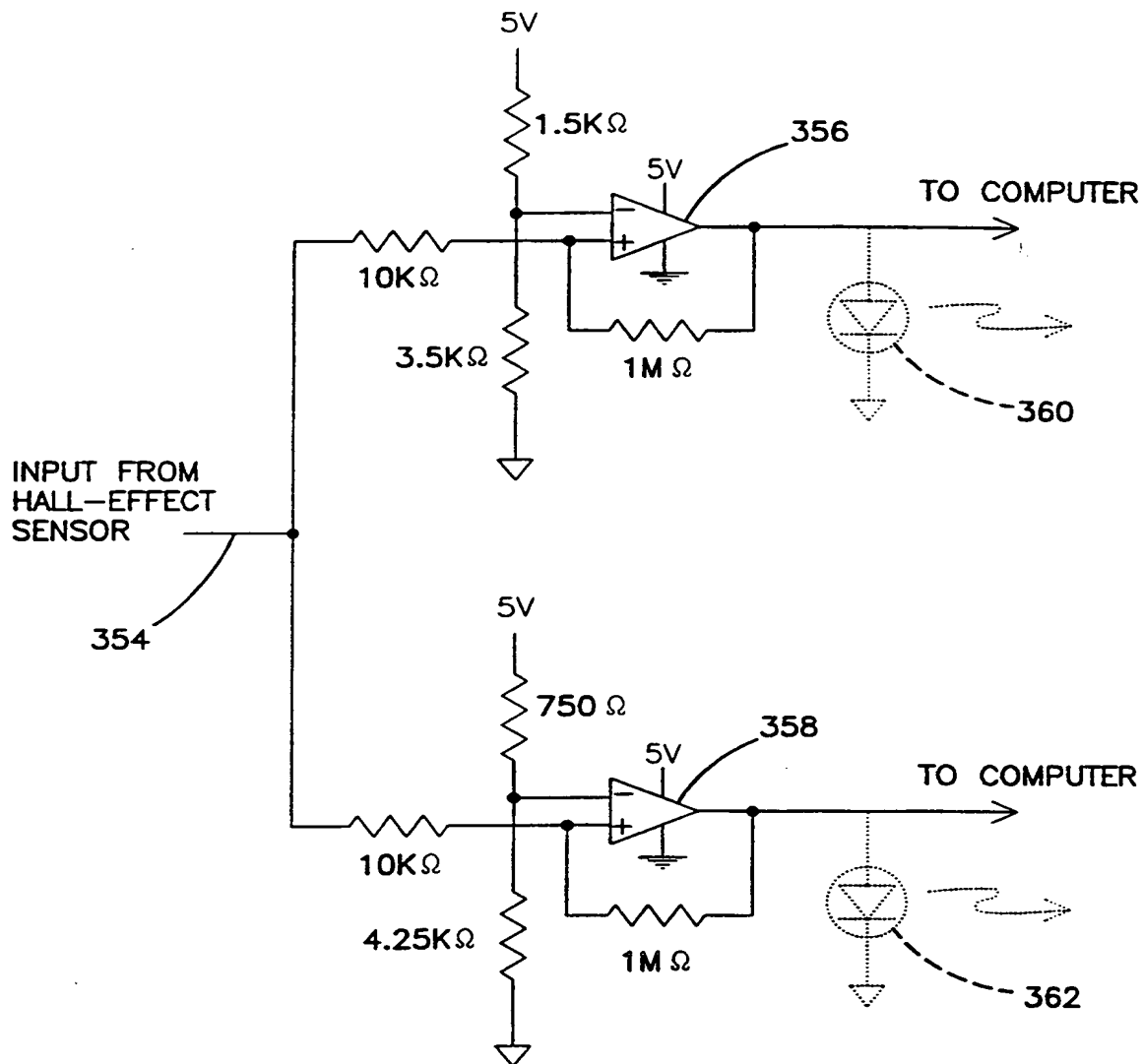
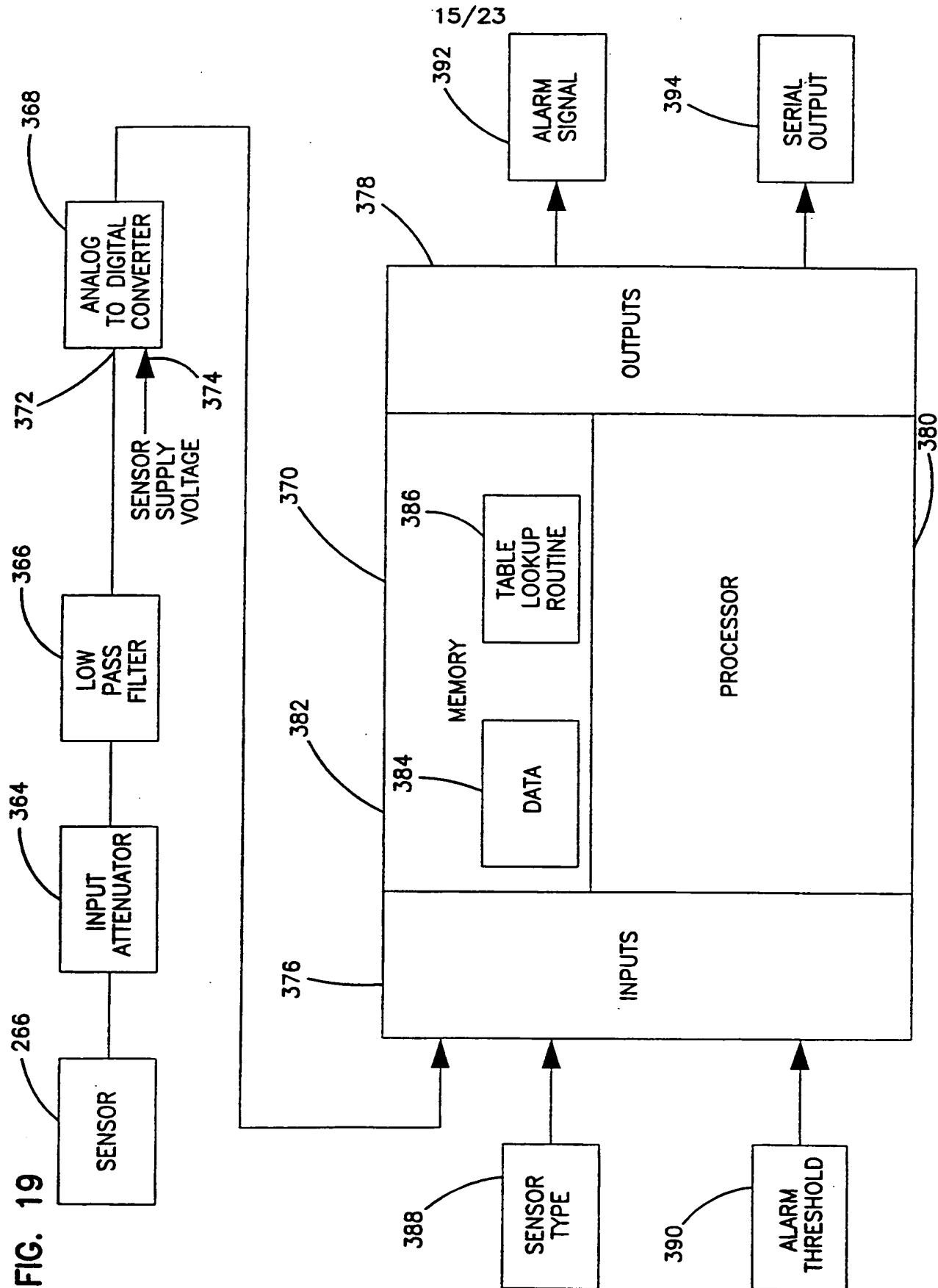


FIG. 19



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FIG. 20A

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TABLES OF SELECTED SENSOR AND SUPPLY VOLTAGE
VERSUS SENSOR DISTANCE

384a

SENSOR OUTPUT VOLTAGE COLUMN	SENSOR DISTANCE COLUMN
WORD (0)	WORD (0)
WORD(1)	WORD(1)
WORD(2)	WORD(2)
WORD(3)	WORD(3)
WORD(4)	WORD(4)
WORD(5)	WORD(5)
WORD(I)	WORD(I)
WORD(I+1)	WORD(I+1)
WORD(N)	WORD(N)

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FIG. 20B

396b

TABLES OF SENSOR DISTANCE VERSUS PRESSURE

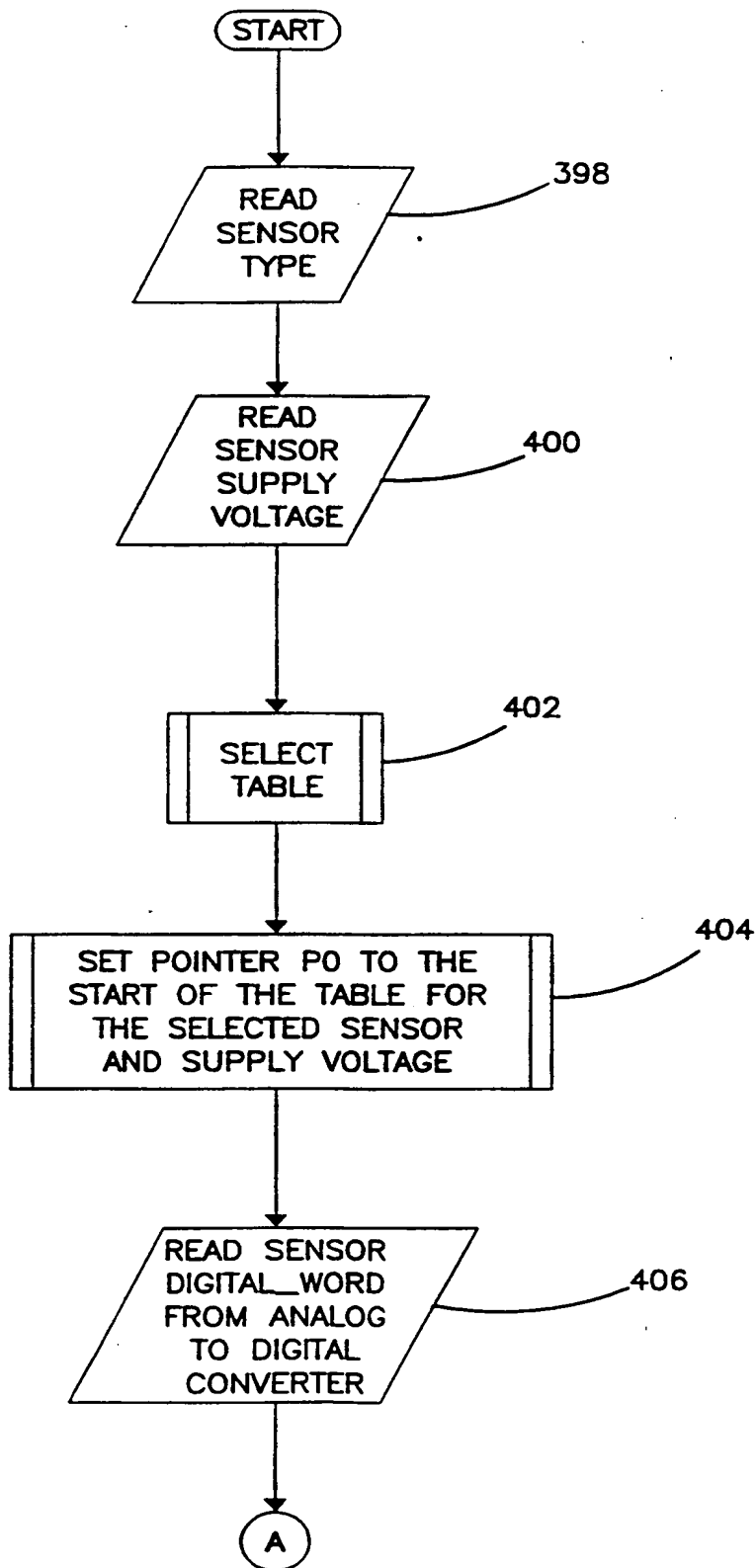
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SENSOR DISTANCE COLUMN	PRESSURE COLUMN
WORD (0)	WORD (0)
WORD(1)	WORD(1)
WORD(2)	WORD(2)
WORD(3)	WORD(3)
WORD(4)	WORD(4)
WORD(5)	WORD(5)
WORD(I)	WORD(I)
WORD(I+1)	WORD(I+1)
WORD(N)	WORD(N)

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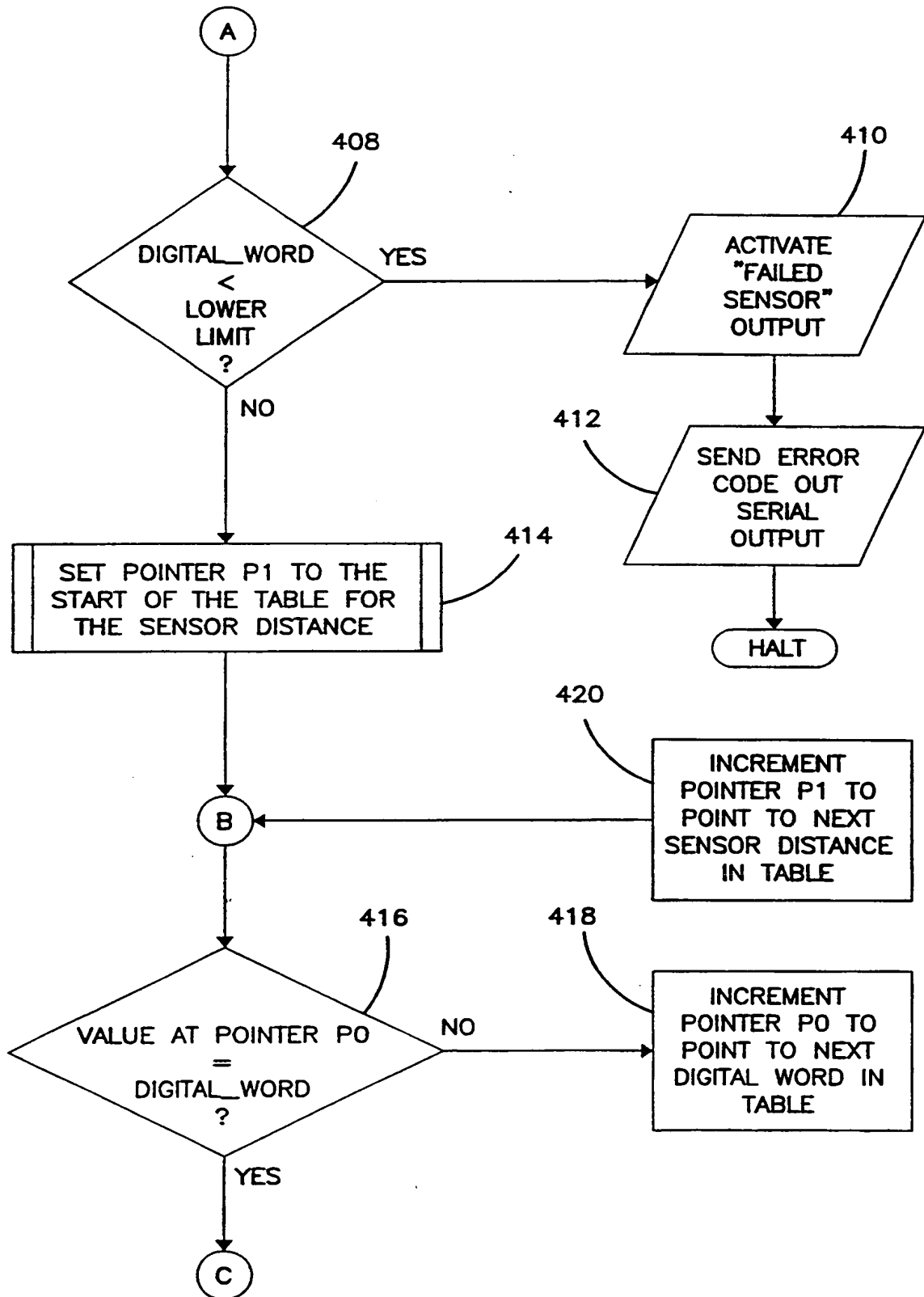
FIG. 21A



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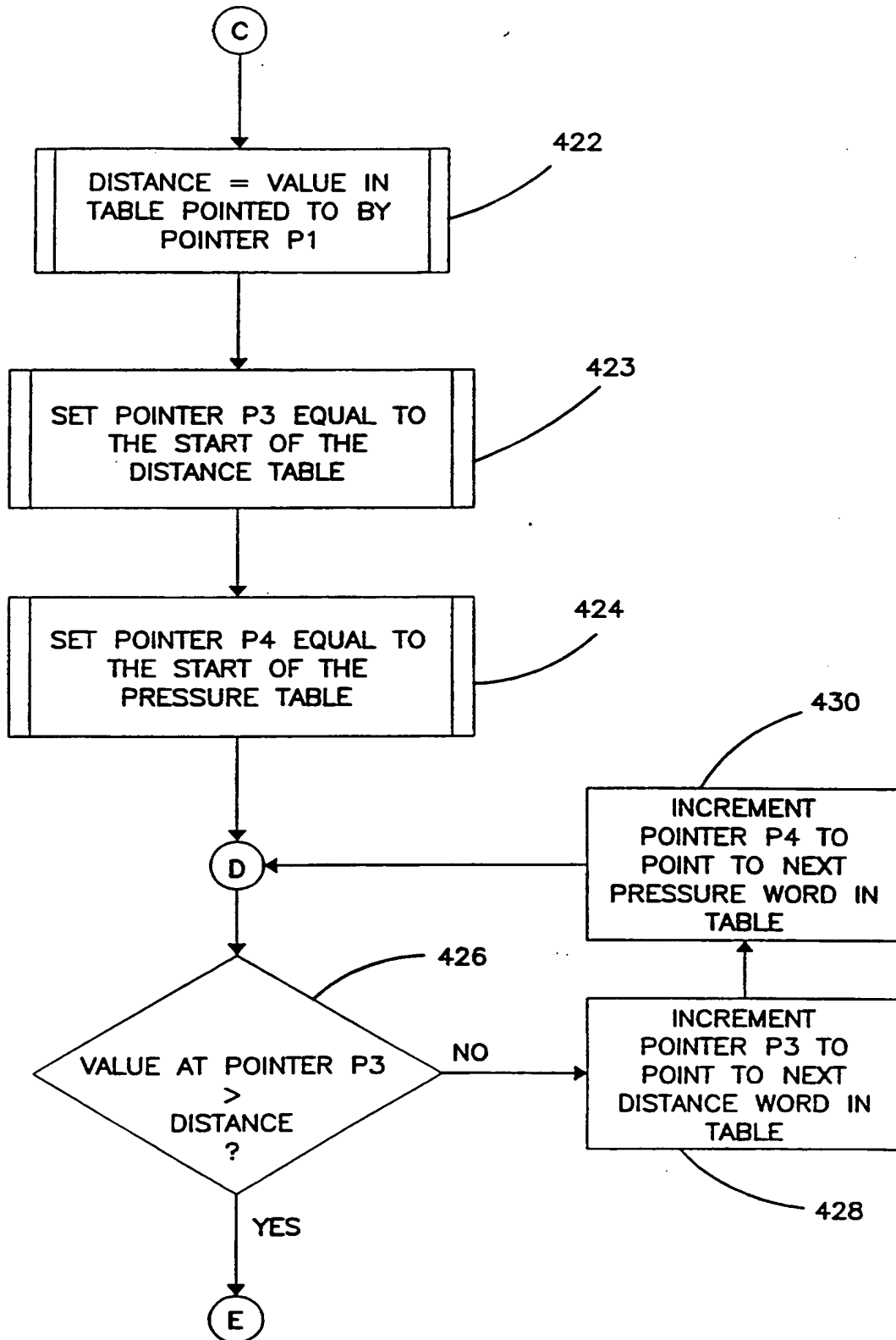
FIG. 21B



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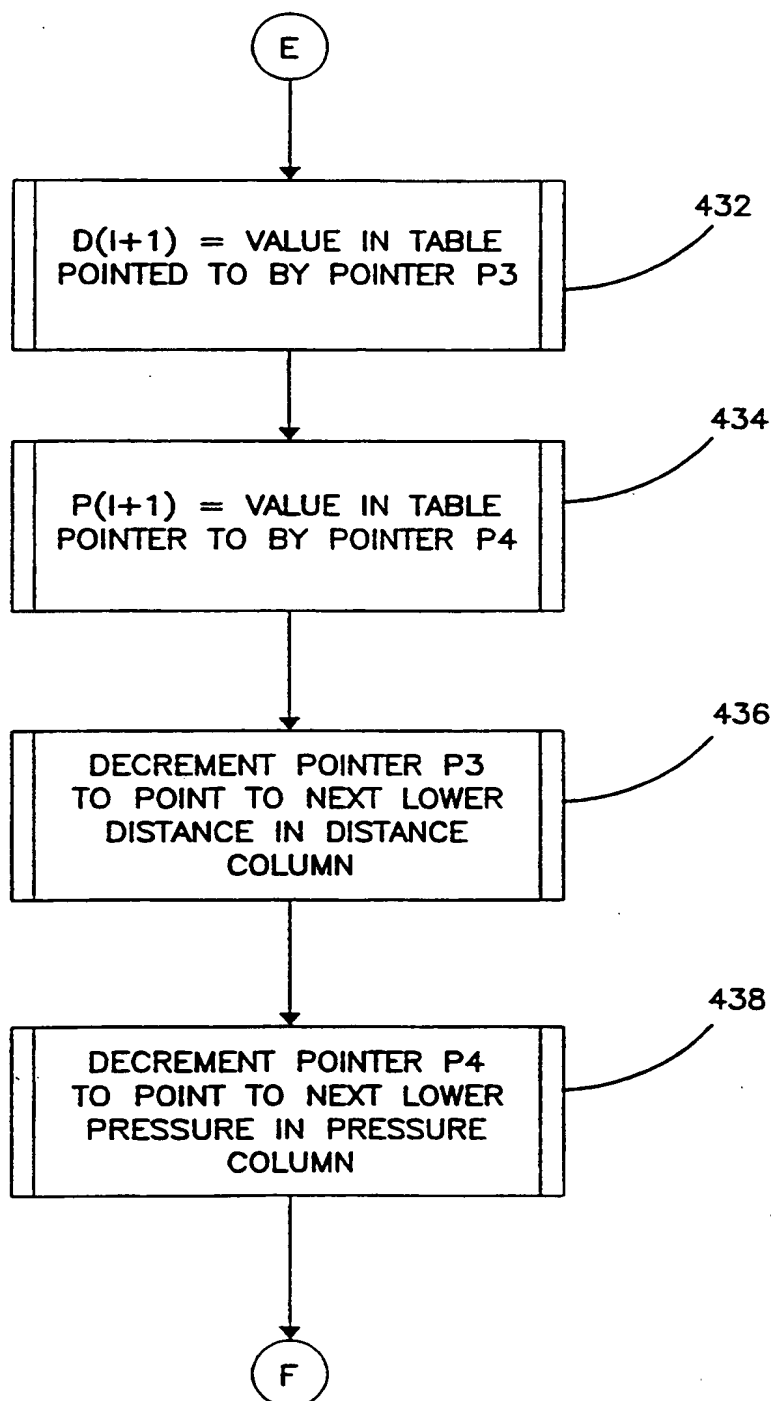
FIG. 21C



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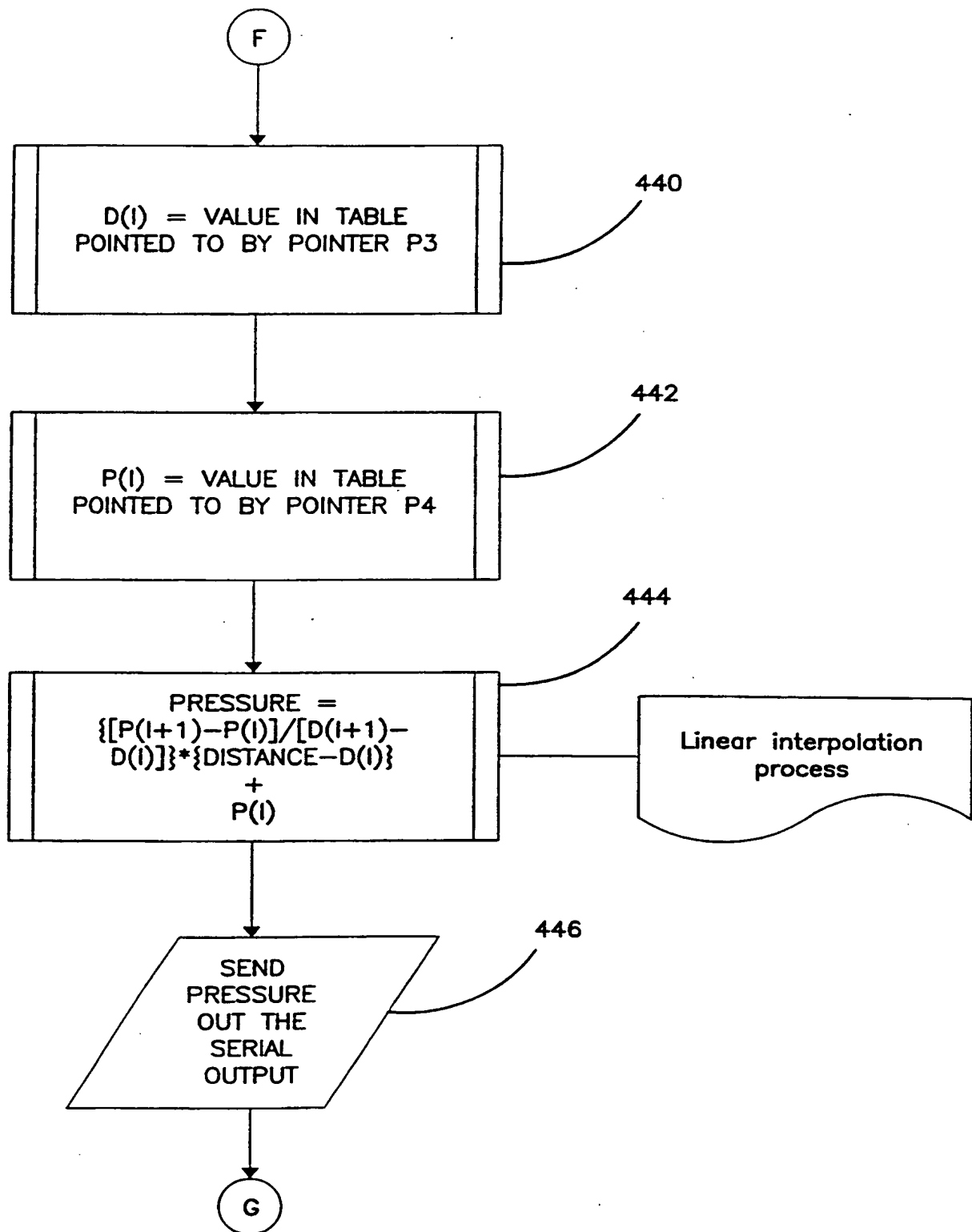
FIG. 21D



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FIG. 21E



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FIG. 21F

